37MURA* 18, 24, 30, 36, 48, 60K 37MUHA* 18, 24, 30, 36, 48K





37MUHA 60K

*NOTE: Single Fan ODU height varies by capacity

37MU(R,H)A & Crossover Applications General Installation Notes:

- Indoor unit is NOT powered from outdoor unit.
- O/B Energized on Heating.
- Y2 Terminal at outdoor unit can be utilized instead of YI for faster ramp up rate, diagrams to follow.
- For FT5 applications Recommend "HP-EFF" setting on Easy Select Board.
- Must use dual fuel thermostat for all furnace combinations. Simultaneous Heat Pump and Furnace operation not permitted.
- No wiring diagrams shown will operate a Furnace during Defrost.
- For Furnace applications Indoor Fan will <u>NOT</u> shut off during Defrost unless a relay is added.
- Furnace applications require outdoor sensor or Wi-Fi weather data.







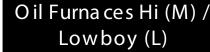








Air Handlers	G a s Furna ce s C / B
FE5B	59MN7C / 987M
FT5	59TN6C / 926S
FJ5	59CU5B / 986T
FG5	59TP6C / 926T
F55	59SP6B / 926S
FMA5X	59SC6A / 916S
FMU(C)5X	59SC2E / 912S
FMU(C)5Z	59SU5 / 935S
FMA5L	58TNOB / 880TB
Coils	58CU0B / 830CB
CVAVA	58TPOB / 82ITB
CVAMA	58SPOB / 82OSB
CAAMP	58SCOB / 80OSB
CSAHP	58SBOB / 912S
	58SUOB / 83OSB
	Oil Furna ces Hi (M) /



OVM / OVL **OBM / OBL**





37MU(R,H)A & Crossover Application Thermostat Choices:

- Most 24-Volt thermostats will work for Crossover Applications, refer to the Application/Installation instructions for specific details for the model installing.
- We strongly recommend that these systems are always wired as a Heat Pump, not Conventional.
- NOTE: Dual Fuel Crossover Applications require the thermostat to sense outside temperature to operate correctly.





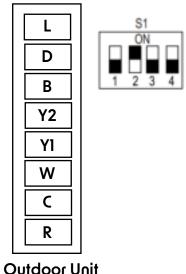
37MU(R,H)A – Applications Requiring Defrost or Error Signal from Outdoor Unit ODU

Only in applications where a Defrost (D-terminal ODU) or Error (L-terminal ODU) signal is needed, an R wire from the Indoor Unit to the Outdoor would be required.

Applications would include:

- Thermostats that accept a 24-Volt Error signal from outdoor unit (L-terminal).
- Applications that use a Defrost signal (D-terminal) to activate a relay to shut down the indoor fan during defrost.
- Applications that use a Defrost signal (D-terminal) to bring on the electric heat kit or other heat source, field supplied relay may be required.

Set S1-2 to ON at ODU for 24-Volt Connections







Res. Indoor Coil Dissipation Board Overview

Main components:

Dissipation Board



Main Harness



Leak Sensor





Dissipation Board Overview

Dissipation Board:

Sensor connection

Main harness connection

FLASH CODE CHART				
Yellow LED	Reason	Mode		
Solid	Normal Operation	Normal Operation		
Flashing 1	Sensor >= 20% LFL	Dissipation		
Flanking 2	Sensor Open	Disepaton		
Flashing 3	Normal Dissipation After Leak	Dissipation		
Flashing 4	No Power to G Output	Dissipation wio Blower		
Flashing 5	Fault with AZL Digital Sensor	Dissipation		
Flashing 6	Test Button Stuck (>30e)	Dissipation		
Flashing 7	Y or W Wiring Inverted	Normal Operation		
Flashing B	Y or W Shorled	Normal Operation		



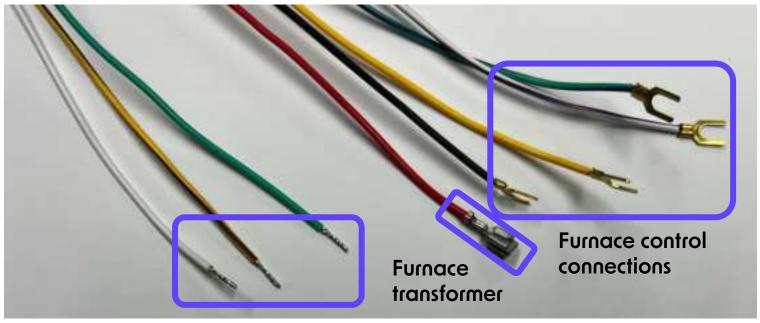


Dissipation Board Overview

Wire connections:

- Shipped with Indoor Coil.
- Designed to work with a Carrier or Bryant furnace.
- Make sure to review Installation Manual prior to connecting device.

MIC	COLOR	1-Stage Label	2-Stage Label
Sherry I-	Red	to Fumace SEC1	to Furnace SEC1
2	Gm/Vio	to Furnace G	to Furnace G
6	White	to TSTAT W	to TSTAT W1
-	Yel/Vio	to OD unit Y	to OD unit Y1
÷	Yellow	to Furnace Y	to Furnice Y1
6	Green	to TSTAT G	to TSTAT G
9	White/Vio	to Furnace W	to Furnace W1
0	Black	to Furnace C	to Furnace C
00	Installation	Instructions For	
			1296
			1000
			ECO-28







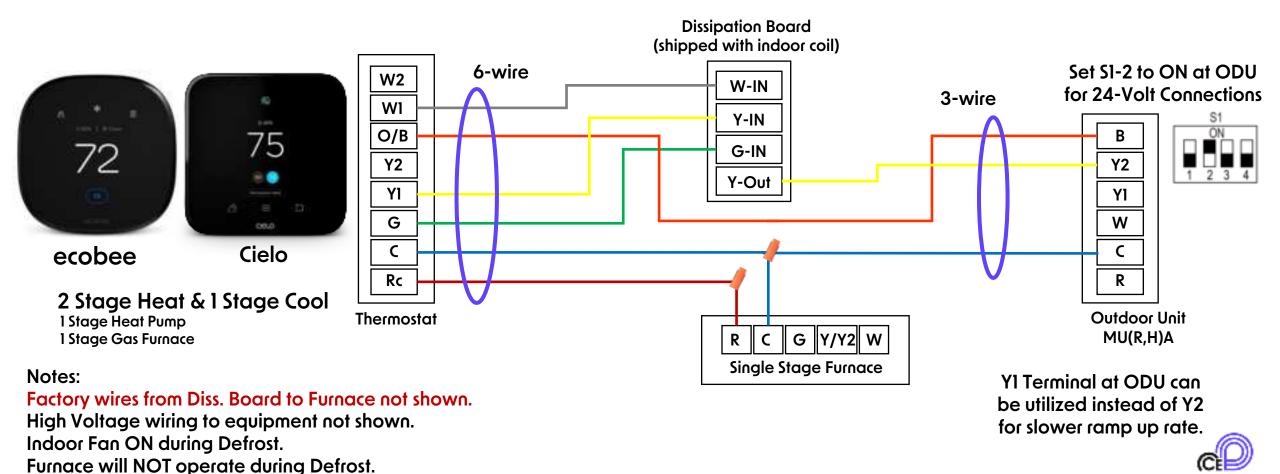


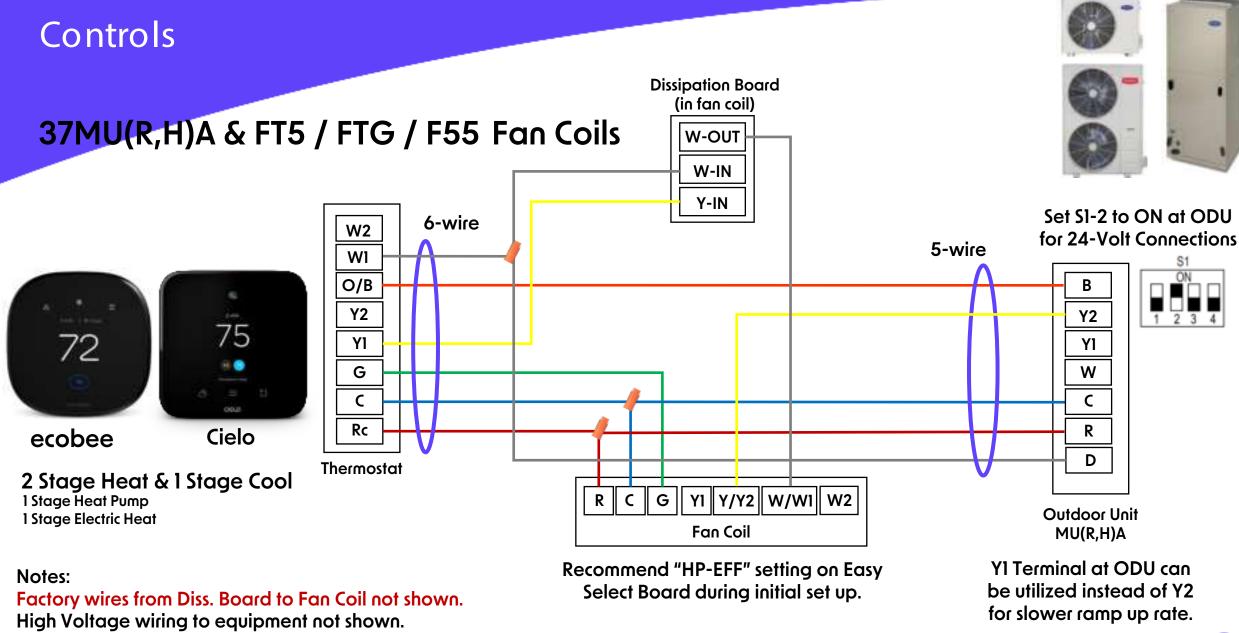


37MU(R,H)A & 1-Stage Furnace – Dual Fuel Applications

Includes Carrier/Bryant 2-Stage Gas Furnaces utilizing Comfort Heat Technology® or Adaptive Mode.

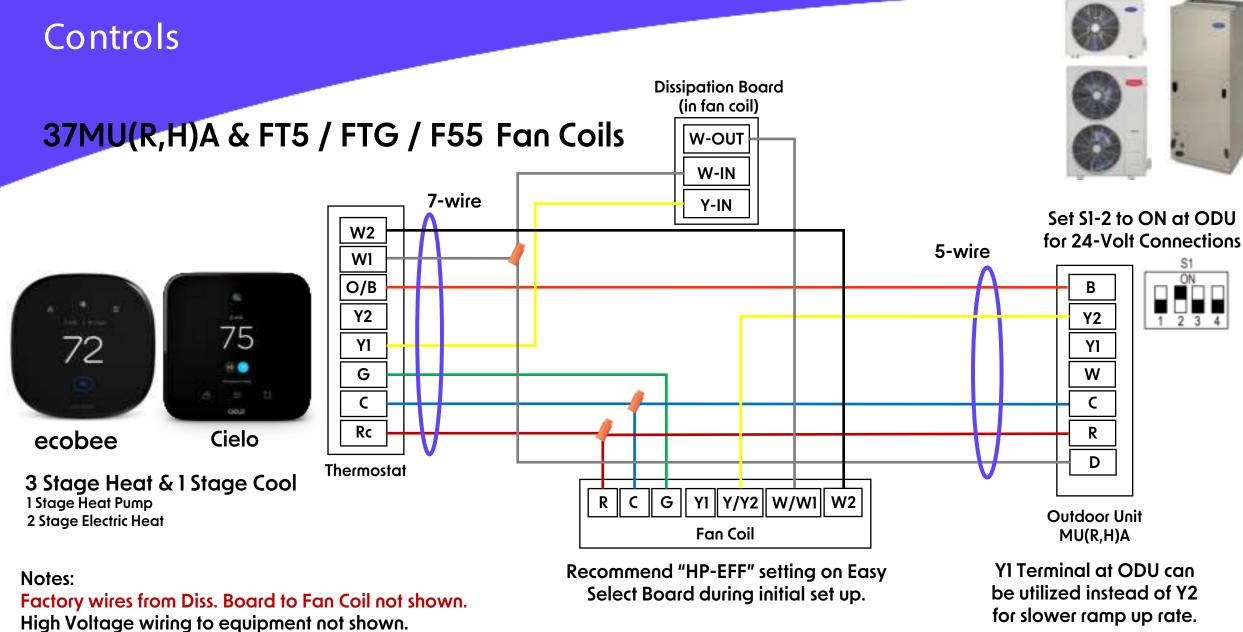






Indoor Fan ON during Defrost. Electric Heat ON during Defrost.





Indoor Fan ON during Defrost. Electric Heat ON during Defrost.



Controls **Dissipation Board** (in fan coil) 37MU(R,H)A & F55 Fan Coils W-OUT W-IN 7-wire Y-IN Set S1-2 to ON at ODU W2 for 24-Volt Connections 5-wire WI O/B 72 **Y2 Y2 Y1** Υl W G C Rc ecobee Cielo D **Thermostat** 3 Stage Heat & 1 Stage Cool | YI || Y/Y2 || W/WI || W2 1 Stage Heat Pump R C G **Outdoor Unit** 2 Stage Electric Heat Fan Coil MU(R,H)A YI Terminal at ODU can Notes: be utilized instead of Y2 Factory wires from Diss. Board to Fan Coil not shown.

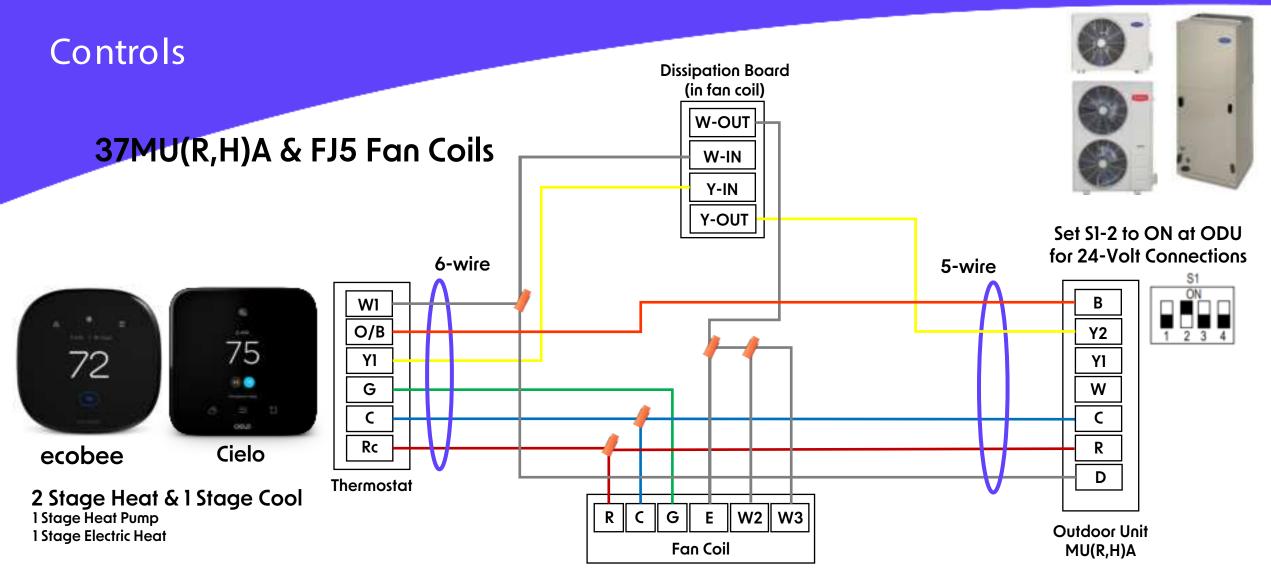
High Voltage wiring to equipment not shown.

Indoor Fan ON during Defrost.

Electric Heat ON during Defrost.

for slower ramp up rate.





Notes:

Factory wires from Diss. Board to Fan Coil not shown.

High Voltage wiring to equipment not shown.

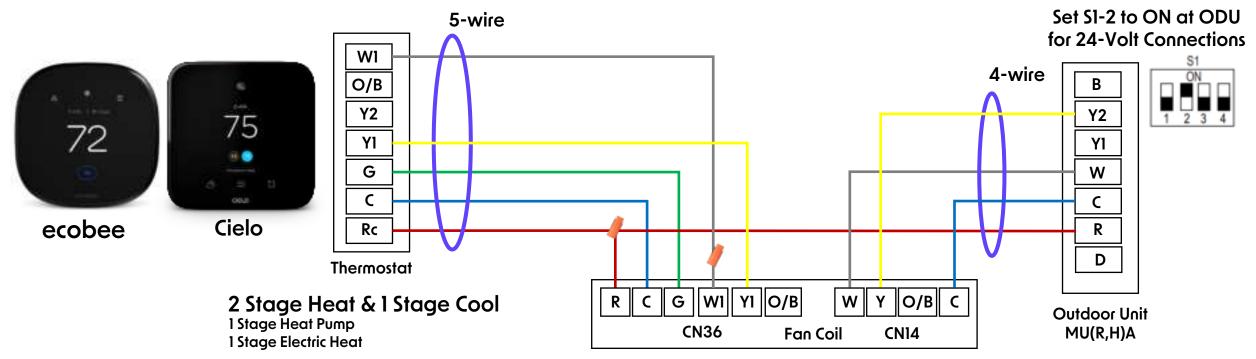
Indoor Fan ON during Defrost.

Electric Heat ON during Defrost.



37MU(R,H)A & Multi-family Indoor Units FMA5L(X) / FMC5X(Z) / FMU5X(Z) Fan Coils





Notes:

Dissipation board built-in to main PCB in fan coil. High Voltage wiring to equipment not shown. Indoor Fan ON during Defrost. Electric Heat ON during Defrost. Y1 Terminal at ODU can be utilized instead of Y2 for slower ramp up rate.

Ductless systems and Residential systems can talk without wires

Cielo's Linked feature can talk through the Cielo App Decisions can change the other based on outdoor temp or state of other system and more.



Cielo Smart Thermostat (24-Volt)











Cielo Breez Max (DLS)







Ductless systems and Residential systems can talk without wires (end)

As you work your way through the decision-making process takes a few screens, but in the end a "Link conditions" screen shows you the rule. Think of it as "If this, then that". The rule can be toggled ON and OFF.



Cielo Smart Thermostat (24-Volt)









Cielo Breez Max





